AAA CONNECTORS

AAA SERIES Q-G® TWIST CONNECTOR

Switchcraft introduces the AAA Series or Q-G® Twist XLR connectors. The Q-G® Twist Series is available in male or female cord plug, 3 through 7 pins or contacts. The unique features are the easy twist on combination handle/strain relief, and the reduced number of parts to assemble. With the insert built into the front shell, and the strain relief preloaded into the handle, the end user has only two parts to assemble – slide the handle onto the cable, solder the terminations, and twist on the handle. As the handle is tightened, the strain relief tightens around the outer jacket of the cable. A ramp on the strain relief keeps it from rotating around the cable jacket and twisting the cable. The strain relief was designed to accommodate the most popular cable sizes. A rugged die-cast metal handle insures optimum protection, and increases signal shielding. Popular options include black and gold finishes, as well as a lower cost plastic handle version.

FEATURES AND BENEFITS

- Only two pieces to assemble
- Easy twist on handle reduces assembly time
- Rugged die-cast metal handle
- Accepts cable OD's (.100" – .285") 0.100" = 2.54mm 0.285" = 7.24mm
- Black finish available
- Gold-plated pins/contacts available
- Lower cost plastic handle version available

APPLICATIONS

- Audio
- Medical
- Instrumentation
- Process Controls

SPECIFICATIONS

ELECTRICAL

Contact Resistance: 50 milliohm maximum, per pole.
Current Rating @ 125VAC:
3 pole – 15A
4 pole –10A
5 & 6 pole – 7.5A
7 pole – 5A
Insulation Resistance: 1,000 MW, minimum.
Dielectric Withstanding Voltage: 1,000 V (rms)
Capacitance: ≤3 pF between pins and ≤6 pF between pins and shell, maximum

MECHANICAL

Insertion/Withdrawal Forces: 10 lbs. maximum, 8 lbs. nominal / 7 lbs. maximum, 5 pounds nominal.
Wire Size:
3 Contact
#12 wire gauge solid #14 wire gauge stranded
4 Contact
#14 wire gauge solid #16 wire gauge stranded
5 & 6 Contact
#16 wire gauge solid #18 wire gauge stranded
7 Contact
#18 wire gauge solid #20 wire gauge stranded

MATERIAL

Shell: Die-Cast zinc with nickel finish or black chrome.
Handle: Die cast with nickel finish or black chrome. Also black thermoplastic handle available.
O Ring: TPR (Thermoplastic rubber).
Insert Insulation: Molded thermoplastic.
Socket Contacts: Silver plated copper alloy tarnish resistant; bifurcated on 3 and 4 contact types. Gold is available.
Pin Contacts: Silver plated copper alloy. Resists tarnishing, and provides excellent electrical conductivity. Gold is available.
Latch lock: High strength die cast zinc.
Strain Relief: TPR
Flex Relief: TPR (Thermoplastic rubber)

CONNECTOR PART NUMBER SCHEME

Series	Pins/Contacts	Gender	Handle Material	Housing Finish	Terminal Finish	Z
AAA	3-7 pins	F: Female	P: Plastic	B: Black	AU: Gold	New Strain Relief
	3-7 pins	M: Male	Blank: Metal	Blank: Nickel	Blank: Silver	

DIMENSIONS ARE FOR REFERENCE ONLY Inch (mm)

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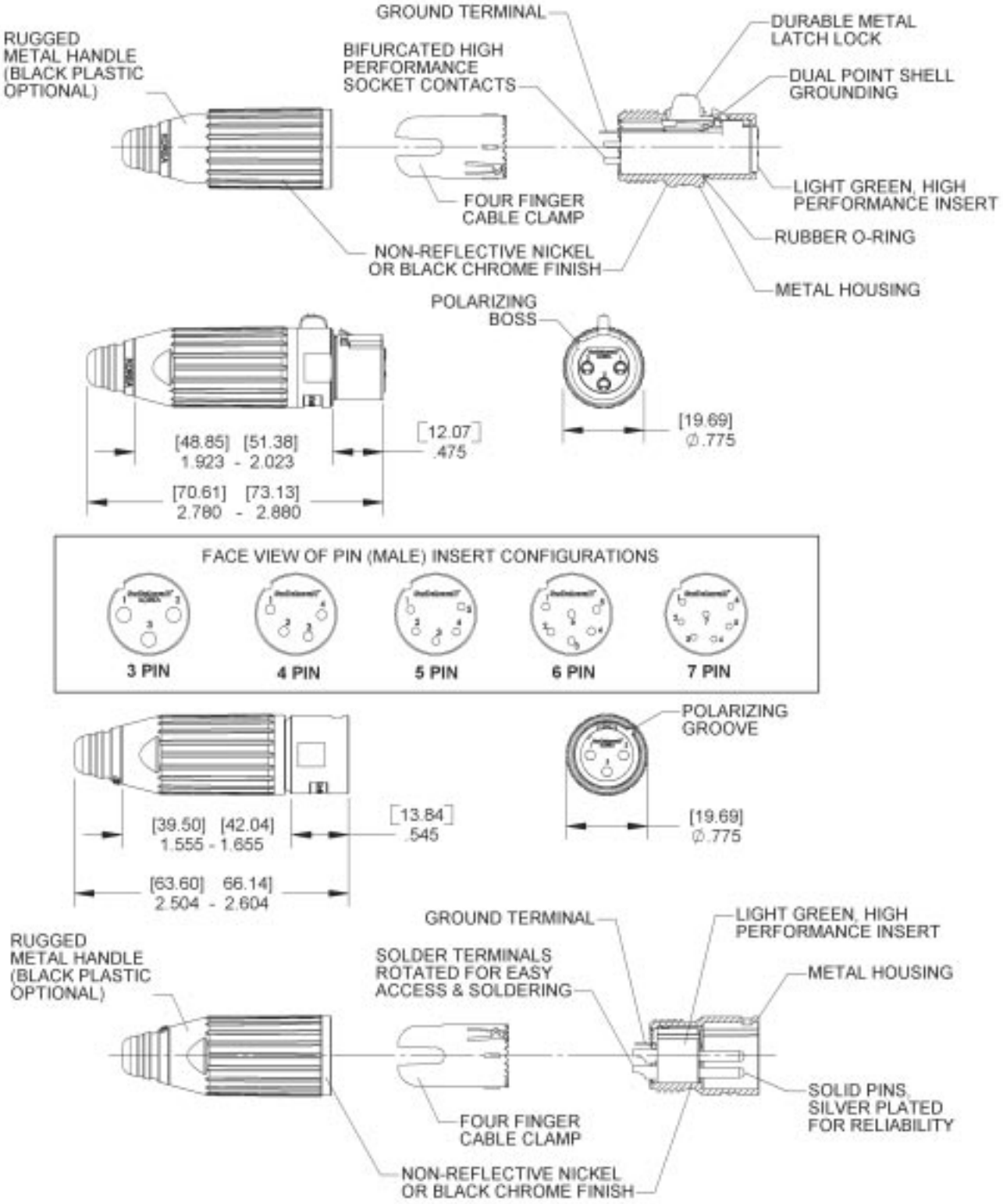
Note: Contact your Switchcraft Representative for price and delivery

AAA CONNECTORS (CONTINUED)



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